



RAISING AND LOWERING WC REAR ACCESS PLATFORMS

procedure name

PHENIX Procedure No. PP-2.5.5.1-02

Revision: B

Date: 5/28/2010

Hand Processed Changes

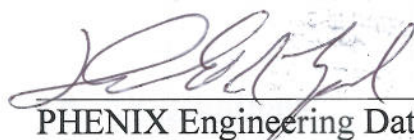
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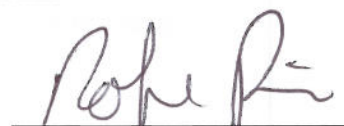
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Initials

Approvals

 6/3/10

PHENIX Engineering Date

 6/7/2010

Cognizant Scientist/Engineer Date
/Activity Manager

 6-3-10

PHENIX Safety Date

 CA-D Safety Date



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REVISION CONTROL SHEET

LETTER	DESCRIPTION	DATE	AUTHOR	APPROVED BY	CURRENT OVERSIGHT
A	First Issue Reviewed 6/6/07 and determined to be up-to-date	12/09/2003	n/a	P. Kroon, W. Lenz, C. Pearson	D. Lynch
B	Reviewed and found to be up-to-date	5/28/2010	n/a	D. Lynch, P. Giannotti, R. Pisani	D. Lynch

1.0 Purpose & Scope

- 1.1 The purpose of this procedure is to provide directions for the safe movement of the platforms used to provide personnel access to the rear of the PHENIX west carriage (WC), in the PHENIX IR.
- 1.2 These rear access platforms (three levels) are raised and lowered as a group by a powered winch located under the WC, and they fit between the WC and the west wall of the IR only when the WC is in its data taking position, i.e. the WC is "in". The rear access platforms must be raised up out of the way to retract the WC to its "out" position against the west wall.
- 1.3 This procedure is tightly correlated to the movement of the WC. Personnel are not permitted below the raised platforms, and the platforms provide the only safe way to travel north-south behind the WC (when it is "in"). Therefore, the platforms must be lowered whenever the WC is "in". The WC "in" and the platforms raised is an unsafe condition and only permitted with safeguards as necessary during the operations defined herein.

2.0 Responsibilities

- 2.1 Only trained BNL technicians shall perform the tasks described herein, under the supervision of the PHENIX Building 1008 Lead Technician.

3.0 Prerequisites

- 3.1 Training: All personnel involved in this procedure shall have reviewed this procedure and the procedure for moving the WC (PP-2.5.5.1-01).
- 3.2 There are only two acceptable end states of this procedure: 1) WC "in" and platforms down, and 2) WC "out" and platforms up.

4.0 Precautions

- 4.1 No one is permitted on or underneath the rear access platforms unless they are fully down and locked out.
- 4.2 Care must be taken when locating access platforms on the upper safety stop pins or at the fully down position to avoid creating slack in the cables.

5.0 Procedure

5.1 To move the WC into data taking position ("in") and lower the rear access platforms.

- 5.1.1 Retrieve the WC rear platform disconnect key from the PHENIX lock box.
- 5.1.2 Sweep WC and rear platforms of all personnel.
- 5.1.3 Rope off area behind WC or post guards to prevent personnel from going underneath platforms.
- 5.1.4 Unlock platform power disconnect and turn power on.
- 5.1.5 Raise platforms to upper limit switch (off of upper safety pins).
- 5.1.6 Using the WC top platform for access, remove upper safety pins from the rails of the rear access platforms, and store them on the WC top platform.
- 5.1.7 Move WC into data taking position.
- 5.1.8 Lower rear access platforms into fully down position without creating slack in the cables.
- 5.1.9 Turn rear platform power off and lock disconnect.
- 5.1.10 Remove rope barriers or guards.
- 5.1.11 Return key to PHENIX lock box.

5.2 To move WC into "out" position.

- 5.2.1 Retrieve WC rear platform disconnect key from PHENIX lock box.
- 5.2.2 Sweep WC of all personnel.
- 5.2.3 Rope off area behind WC or post guards to prevent personnel from going on or underneath platforms.
- 5.2.4 Unlock platform power disconnect and turn power on.
- 5.2.5 Raise platforms to upper limit switch (just above upper safety pin position).
- 5.2.6 Move WC to "out" position.

- 5.2.7 Install upper safety pins from top platform of WC.
- 5.2.8 Lower platforms onto upper safety pins without creating slack in the cables.
- 5.2.9 Turn rear platform power off and lock disconnect.
- 5.2.10 Remove rope barriers or guards.
- 5.2.11 Return key to PHENIX lock box.

6.0 Documentation

NONE

7.0 References

7.1 PHENIX Procedure PP-2.5.5.1- 01, Moving Central Magnet and Detector Carriages in the PHENIX 1008 IR.

8.0 Attachments

NONE